

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number	10/551,639
Filing Date	12/14/2006
First Named Inventor	Wu et al.
Art Unit	3732
Examiner Name	Not assigned
Attorney Docket Number	139-05

GWS 3/16/2007

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number (US-)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)
1	6,248,309	06/19/2001	Iyer et al.		
2	5,939,050	08/17/1999	Iyer et al.		
3	5,741,138	04/21/1998	Rice et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Foreign Patent Document Number (Include WIPO country code)	Publication Date (MM-DD-YYYY)	Name	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear (or entire document unless noted otherwise)	T ²
4	WO 04/093876	11/04/2004	Wu et al.			
5	WO 02/091848	11/21/2002	Lawlor et al.			
6	WO 98/44926	10/15/1998	Iyer et al.			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. ¹	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
7	Beringer et al. (2001) "The Clinical Use of Colistin in Patients with Cystic Fibrosis," <i>Curr. Opin. Pulmonary Med.</i> 7:434-440		
8	Birdsall et al. "Berberine: Therapeutic Potential of an Alkaloid Found in Several Medicinal Plants," http://www.thorne.com/altmedrev/fulltext/berb.html . Downloaded on 01-03-2002		
9	Costerton et al. (1999) "Bacterial Biofilms: A Common Cause of Persistent Infections," <i>Science</i> 284:1318-1322		
10	Cowan, M.M. (1999) "Plant Products as Antimicrobial Agents," <i>Clin. Microbiol. Rev.</i> 12:564-582		
11	Duke et al. (1980) "Promising Phytochemicals," In: <i>Advances in New Crops</i> , Janik et al. Eds., Timber Press, Portland, pp. 491-496		
12	Farnsworth et al. (1985) "Medicinal Plants in Therapy," <i>VMO Bull.</i>		
13	Fine et al. (1998) "Clinical Use of Antibiotics in Dental Practice," <i>Int. J. Antimicrobial Agents</i>		

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number	10/551,639
Filing Date	12/14/2006
First Named Inventor	Wu et al.
Art Unit	3732
Examiner Name	Not assigned
Attorney Docket Number	139-05

GWS 3/16/2007

Examiner Initial*	Cite No. ¹	REFERENCE	T ²
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		Agents 9:235-238	
14		Fives-Taylor et al. (2000) "Virulence Factors of <i>Actinobacillus actinomycetemcomitans</i> ," <i>Periodontology</i> 20:36-67	
15		Giraud et al. (2000) "Evidence for Active Efflux as the Primary Mechanism of Resistance to Ciprofloxacin in <i>Salmonella enterica</i> Serovar Typhimurium," <i>Antimicrobial Agents Chemotherapy</i> 44:1223-1228	
16		Govindan et al. (2000) "A Convenient Method for the Determination of the Quality of Goldenseal," <i>Fitoterapia</i> 71(3):232-235	
17		Grippa et al. (1999) "Inhibition of <i>Candida rugosa</i> Lipase by Berberine and Structurally Related Alkaloids, Evaluated by High-Performance Liquid Chromatography," <i>Biosci. Biotechnol. Biochem.</i> 63:1557-1562	
18		Haq, N. (2000) "In Vitro Productions of Bioactive Compounds from Medicinal and Aromatic Plants," <i>TeiMedPak Agriculture Website</i>	
19		Higuchi, T. (1987) "Prodrug and Drug Delivery – An Overview," In; <i>Bioreversible Carriers in Drug Design, Theory and Application</i> , Roch, E.B. Ed., Pergamon Press, pp. 1-12	
20		Hu et al. (2000) "Coptidis Rhizoma Inhibits Growth and Proteases of Oral Bacteria," <i>Oral Diseases</i> 6:297-302	
21		Khin-Maung-U et al. (1985) "Clinical Trial of Berberine in Acute Watery Diarrhoea," <i>Brit. Med. J.</i> 6:1601-1605	
22		Kristiansen et al. (1997) "The Potential Management of Resistant Infections with Non-Antibiotic," <i>J. Antimicrobial Chemotherapy</i> 40:319-327	
23		Lambert et al. (2001) "A Study of the Minimum Inhibitory Concentration and Mode of Action of Oregano Essential Oil, Thymol and Carvacol," <i>J. Appl. Microbiol.</i> 91:453-462	
24		Lewis, K. (2001) "Riddle of Biofilm Resistance," <i>Antimicrobial Agents Chemotherapy</i> 45:999-1007	
25		Markham et al. (1999) "Multiple Novel Inhibitors of the NorA Multidrug Transporter of <i>Staphylococcus aureus</i> ," <i>Antimicrobial Agent Chemotherapy</i> 43:2404-2408	
26		Matsumoto et al. (1999) "Inhibitory Effects of Oolong Tea Extract on Caries-Inducing Properties of Mutans Streptococci," <i>Caries Research</i> 33:441-445	
27		McDonnell et al. (1999) "Antiseptics and Disinfectants: Activity, Action, and Resistance," <i>Clin. Microbiol.</i> 12:147-179	
28		Merritt et al. (2000) "Factors Influencing Bacterial Adhesion," In; <i>Handbook of Bacterial Adhesion: Principles, Methods, and Applications</i> , An et al. edd., Humana Press, Totowa, NJ, USA, pp. 53-72	
29		Morita et al. (1998) "NorM, A Putative Multidrug Efflux Protein, of <i>Vibrio parahaemolyticus</i> and Its Homolog in <i>Escherichia coli</i> ," <i>Antimicrobial Agents Chemotherapy</i> 42:1778-1782	
30		Oliviera et al. (2001) "The Role of Hydrophobicity in Bacterial Adhesion," In; <i>Biofilm</i>	
Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number	10/551,639
Filing Date	12/14/2006
First Named Inventor	Wu et al.
Art Unit	3732
Examiner Name	Not assigned
Attorney Docket Number	139-05

GWS 3/16/2007

Examiner Initial*	Cite No. ¹	REFERENCE	T ²
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		<i>Community Interactions: Chance or Necessity</i> , Gilbert et al. eds., pp. 11-22	
31		Park et al. (1999) "Differential Inhibitory Effects of Protoberberine on Sterol and Chitin Biosynthesis in <i>Candida albicans</i> ," <i>J. Antimicrobial Chemotherapy</i> 5:667-674	
32		Park et al. (2001) "HWY-289, A Novel Semi-Synthetic Protoberberine Derivative with Multiple Target Sites in <i>Candida albicans</i> ," <i>J. Antimicrobial Chemotherapy</i> 47:513-513	
33		Rabbani et al. (1987) "Randomized Controlled Trial of Berberine Sulfate Therapy for Diarrhea Due to Enterotoxigenic <i>Escherichia coli</i> and <i>Vibrio cholerae</i> ," <i>J. Infectious Diseases</i> 5:979-984	
34		Russell et al. (1996) "Antibiotic and Biocide Resistance in Bacteria," <i>Microbios</i> 85:45-65	
35		Russell et al. (2000) "Do Biocides Select for Antibiotic Resistance," <i>J. Pharmacy Pharmacol.</i> 52:227-233	
36		Russell et al. (2000) "Concentration: A Major Factor in Studying Biocidal Action," <i>J. Hospital Infection</i> 44:1-3	
37		Scazzocchio et al. (2001) "Antibacterial Activity of <i>Hydrastis Canadensis</i> Extract and Its Major Alkaloids Isolated Alkaloids," <i>Planta Med.</i> 67:561-564	
38		Sheng et al. (1997) "Treatment of Chloroquine-Resistant Malaria Using Pyrimethamine in Combination with Berberine, Tetracycline or Cotrimoxazole," <i>East African Medical J.</i> 5:283-284	
39		Slots et al. (1990) "Antibiotics in Periodontal Therapy: Advantages and Disadvantages," <i>J. Clin. Periodontology</i> 17:479-493	
40		Southard et al. (1998) "Subgingival Controlled Release of Antimicrobial Agents in the Treatment of Periodontal Disease," <i>Int. J. Antimicrobial Agents</i> 9:239-253	
41		Sternitz et al. (1999) "5'-Methoxydncarpin-D and Pheophorbide A: <i>Berberis</i> Species Compounds that Potentiate Berberine Growth Inhibition of Resistant <i>Staphylococcus aureus</i> ," <i>J. Nat. Products</i> 63:146-149	
42		Stickler et al. (1983) "Studies on the Genetic Basis of Chlorhexidine Resistance," <i>British J. Clin. Practice</i> 25(sup):23-28	
43		Sulavik et al. (2001) "Antibiotic Susceptibility Profiles of <i>Escherichia coli</i> Strains Lacking Multidrug Efflux Pump Genes," <i>Antimicrobial Agents Chemotherapy</i> 45:1126-1136	
44		Sun et al. (1988) "Berberine Sulphate Blocks Adherence of <i>Streptococcus pyogenes</i> to Epithelial Cells, Fibronectin and Hexadecane," <i>Antimicrobial Agents Chemotherapy</i> 32:1370-1374	
45		Tice et al. (1997) "Goldenseal (<i>Hydrastis Canadensis</i> L.) and Two of Its Constituent Alkaloids, Berberine [2086-83-1] and Hydrastine [118-08-1]," Review of toxicological Literature, Internet Source	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here or "x" if English language Translation is attached.